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(21) International Application Number: PCT/IB95/00265 (22) International Filing Date: 18 April 1995 (18.04.95) (30) Priority Data: 941581 ✓ 29 April 1994 (29.04.94) NO (71) Applicant (for all designated States except US): A/S BIOTEC-MACKZYMAL [NO/NO]; Strandgt 3, N-9008 Tromso (NO). (72) Inventors; and (75) Inventors/Applicants (for US only): ENGSTAD, Rolf [NO/NO]; Brattbakken 157, N-9018 Tromso (NO). KO-RTNER, Finn [NO/NO]; Parkgt. 13, N-8008 Tromso (NO). ROBERTSEN, Borre [NO/NO]; Hagavn. 15B, N-9007 Tromso (NO). RORSTAD, Gunnar [NO/NO]; Ivar Aasensvei 7, N-7007 Tromso (NO).			(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: ENZYME TREATMENT OF GLUCANS**(57) Abstract**

β -(1-6)-Glucanase treatment of glucan from yeast cells, pure or feed grade, especially yeast from the family *Saccharomyces* and particularly *Saccharomyces cerevisiae*, provides a novel glucan product suitable for use in enhancing the stimulation of host animal immune systems. Solubilization of such yeast cell glucan is further disclosed to extend the usefulness of yeast cell glucan as an adjuvant.